

What is claimed is:

1. A method of molding a polarizing film comprising the steps of:
applying a colored polarizing film to a molding face of a mold;
allowing the polarizing film to be sucked onto the molding face by vacuum suction to mold a colored concave and convex polarizing film;
setting a tensile of the polarizing film in a certain direction to be smaller than a tension of the polarizing film in a direction perpendicular to the certain direction;

allowing a stretch of the polarizing film at a position on a line of the diameter of the mold in parallel with the certain direction to be smaller than a stretch thereof at other positions, thereby allowing a color of the polarizing film at the position, where the stretch of the polarizing film is small, partially deep, so that the deep colored portion of the polarizing film forms a reference mark in a polarizing direction.

2. An apparatus for molding a polarizing film comprising:

a molding box which is opened at an upper face for subjecting a polarizing film to a vacuum suction to mold a concave and convex polarizing film;

a closing valve attached to a suction port communicating with an inner space of the molding box;

a vacuum source connected to the closing valve;

pressing means provided at an opening edge of the molding box; and

a mold having a concave spherical molding face and installed in the molding box for molding the polarizing film.

3. An apparatus for molding a polarizing film comprising:

a molding box which is opened at an upper face for subjecting a polarizing film to a vacuum suction to mold a concave and convex polarizing film;

a closing valve attached to a suction port communicating with an inner space of the molding box;

a vacuum source connected to the closing valve;

pressing means provided at an opening edge of the molding box;

a bed plate accommodated in the molding box in a state where it can be taken out therefrom; and

a mold having a molding face and placed on the bed plate for molding the polarizing film.

4. The apparatus for molding a polarizing film according to Claim 2 or 3, wherein the suction port has a blocking prevention function.

5. The apparatus for molding a polarizing film according to Claim 2 or 3, wherein the mold is made up of glass, and is placed in the molding box in a state to be replaceable with another mold.